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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SPU50 SERIES

Jameco Part Number 221487 (SPU50-1U)

- .FULL RANGE AC INPUT
- .OVER VOLTAGE PROTECTED
- .LED INDICATE FOR POWER ON
- .FULLY ENCLOSED PLASTIC CASE
- .OEM ACCEPTABLE
- .COMPACT SIZE, LIGHT WEIGHT
- .SHORT CIRCUIT PROTECTED
- .100% FULL LOAD BURN-IN TEST
- .APPROVALS:UL/CUL/TUV/CE

MODEL / SPECIFICATION	SPU50-1	SPU50-2	SPU50-3	SPU50-4	SPU50-5	SPU50-6	SPU50-8	SPU50-9
DC OUTPUT VOLTAGE	5V	10V	12V	15V	18V	24V	36V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±3%	±3%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT	10A	5.85A	5A	4A	3.33A	2.5A	1.66A	1.25A
OUTPUT CURRENT RANGE	0-10A	0-5.85A	0-5A	0-4A	0-3.33A	0-2.5A	0-1.66A	0-1.25A
RIPPLE & NOISE	80mVp-p	80mVp-p	100mVp-p	100mVp-p	120mVp-p	120mVp-p	180mVp-p	240mVp-p
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±3%	±3%	±3%	±3%	±3%	±3%
RATED OUTPUT POWER	50W	58.5W	60W	60W	60W	60W	60W	60W
EFFICIENCY	70%	72%	74%	75%	75%	78%	82%	82%
DC VOLTAGE ADJ.	FIXED							
INPUT VOLTAGE RANGE	90~264VAC，47~63Hz							
AC CURRENT	1.6A/230VAC							
INRUSH CURRENT	COLD START < 60A PEAK/230VAC							
LEAKAGE CURRENT	<0.35mA/240VAC							
OVERLOAD PROTECTION	PULSING MODE, RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION	105%~145%							
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)							
SETUP,RISE,HOLD UP TIME	800ms, 50ms, 16ms							
VIBRATION	10~500Hz, 2G 3AXES 10min. / 1cycle (1 HOUR / EACH AXES)							
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC 1min.							
ISOLATION RESISTANCE	I/P-O/P,I/P-FG,O/P-FG:500VDC / 100M Ohms min.							
WORKING TEMP., HUMIDITY	0°C~+25°C @ 100% LOAD,40°C @ 50% LOAD, 20%~90% RH							
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH							
DIMENSION	146*76*44mm (L*W*H)							
WEIGHT; Q'TY/CARTON	0.7Kgs; 40PCS/CARTON							
SAFETY STANDARDS	UL1950,CSA22.2, TUV EN60950 APPROVED							
EMC STANDARDS	EN55022, IEC801-2,3,4 VERIFICATION							
LENGTH OF OUTPUT CABLE	180cm FOR 12~18V WITH SPT-1, 18AWG*2C; 120cm FOR 5~10V WITH AWM2464							
PLUG OF DC OUTPUT	2.1¢*5.5¢*11mm, CENTER POSITIVE; DIN 5 PIN FOR +5V, +10V							

NOTE：
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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